

ABSTRACT OF THE DISCLOSURE

An electronic parts mounting apparatus which holds an electronic part with a mounting head, photographs the electronic part by a line camera 11, processes an image of the electronic part photographed by the line camera to recognize a position of the electronic part by using a recognition unit 16, positions the electronic part to a substrate in accordance with the position recognition result, and mounts the electronic part on the substrate. Offset values which are pre-stored for each recognition system associated with its own light source, a light source for transmission illumination 15a or a light source for reflection illumination 15b, are used for offset values used when a position correction is made, at the time of positioning, based on the position recognition result. Even in the electronic parts mounting apparatus of the type in which the plural recognition systems are selectively operated, the position recognition result difference caused by the use of another type of the illumination method is corrected to secure a necessary part mounting accuracy.